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INTERNATIONAL SEARCH REPORT

Applicants or signific file reference S.14. 76888 / 0.01 International application No. International Elling date (day/month/year) ECT/GB 03/03571 Applicant CREATIVE PEPTIDES SWEDEN AB This international Search Report has been prepared by this international Searching Authority and is transmitted to the applicant according to Article 19. A copy to being transmitted to the International Sureau. This international Search Report has been prepared by this international Sureau. This international Search Report has been prepared by this international Sureau. This international Search Report consists of a total of		(PC) Afficie 16 and Autes 45 and -	
International application No. PCT/GB 03/03571 14/08/2003 14/08/2003 14/08/2002 Applicant CREATIVE PEPTIDES SWEDEN AB This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant secording to Article 19. A copy is being transmitted to the International Bureau. This International Search Report consists of a total of		Form PCT/	ISA/220) as well as, where applicable, item 5 below.
Applicant This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 15. A copy is being transmitted to the international Bureau. This International Search Report consists of a total of \$\begin{array}{c} \text{ checks.} \text{ it is also accompanied by a copy of each prior art document cited in this report.} 1. Basis of the report a. With regard to the tanguage, the International search was carried out on the basis of the international application in the language in which it was filled, unless otherwise indicated under this item. the International search was carried out on the basis of a translation of the International application furnished to this Authority (in the basis of the sequence listing). b. With regard to any nucleotite and/or amino ecid sequence disclosed in the international application, the international search was carried out in the basis of the sequence listing. contained in the International application in written form. Inlied together with the international application in computer readable form. Iturnished subsequently to this Authority, in computer readable form. Iturnished subsequently to this Authority, in computer readable form. Iturnished subsequently to this Authority in computer readable form is identical to the written sequence listing does not go beyond the disclosure in the international application as inclined. \[\text{X}\] the statement that the Information recorded in computer readable form is identical to the written sequence listing has been furnished. 2. \[\text{Certain claims were found unsearchable (See Box I)}. Unity of Invention is lacking (see Box II). 4. With regard to the title. \[\text{X}\] the text has been established by the applicant. the text has been established according to Prule 30.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of the international seafor report, submit comments to this Auth		International filing date (day/month/yea	r) (Earliest) Priority Date (day/month/year)
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Date of the actual completion of the international search

10/12/2004

Name and mailing address of the ISA

15 November 2004

European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tcl. (+31-70) 340-2040. Tx. 31 651 epo ni. Fax: (+31-70) 340-3016

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FRANK B. DEHN

INTERNATIONAL SEARCH REPORT

International Application No PCT/GB 03/03571

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International Application No. PCT/ GB 03 /03571

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box 1.2

Claims Nos.:

Present claims 1-2 relate to a compound defined be reference to a desirable property, namely the functional ability of the N-terminus of the insulin C-peptide. Claims 15 and 16 relate to the first medical use of such a compound.

The claims 1-2 furthermore relate to the desirable property, namely being able to adopt a conformation wherein two acidic amino acids are spatially separated by a distance of 9-14 $\,$. Claims 15 and 16 relate to

the first medical use of such a compound. Claims 6, 8, 10 and 14 are dependent to claims 1 or 2 and introduce more desirable properties, namely that the peptide of invention is capable to adopt an -helical conformation (claim 6), or that the helix presents a conserved surface after addition of further amino acids to the peptides (claim 8) or that the two acidic amino acids within the claimed peptide are capable of interacting with a third acidic amino acid (claim 10) or that said two acidic amino acids are separated by 10-13 Claims 15 and 16 relate to the first medical use of such a compound. The claims cover all compounds having these properties, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a limited number of such compounds. In the present case, the claims so lack support and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compounds by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the compounds prepared in the examples and closely

related ones. The International Search Authority considered the term 'does not include native C-peptide of any species used in claims 1,2,15 and 16 to be vague and unclear and thus leaving the reader in doubt as to the meaning of the technical features to which it refers, thereby rendering the definition of the subject-matter of said claims unclear (Article 6 PCT).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be

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	International Application No. PCT/ GB 03 /03571
FURTHER INFORMATION CONTINUED FROM	PCT/ISAV 210
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International application No. PCT/GB 03/03571

INTERNATIONAL	SEARCHREPORT
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Box I Observations where certain claims were	il ·	
This International Search Report has not been established	d.in respect of certain dalr	ns under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not require.	ed to be searched by this A	Authority, namely:
2. X Claims Nos.: because they relate to parts of the International an extent that no meaningful International Sear See FURTHER INFORMATION sheet	1	mply with the prescribed requirements to such
		th the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention	is lacking (Continuati	on of item 2 of first sheet)
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This international Searching Authority found multiple in	ventions in this International	al application, as follows:
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1. As all required additional search lees were tim	nely paid by the applicant, t	his International Search Report covers all
searchable claims.		
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2. As all searchable claims could be searched w	ithout effort justifying an ac	dditional fee, this Authority did not invite payment
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4. No required additional search fees were time restricted to the invention first mentioned in the	ne claims; it is covered by	cialms Nos.:
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International Application No

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